

**MBNMS Permit Report**  
**August 10, 2011**

MBNMS-2011-025

Effective Date: 08/10/2011      Expiration Date:12/31/2012

Project Title: Mapping the movements of basking sharks (*Cetorhinus maximus*) tagged in Monterey Bay, California

Applicant Name: Dr. Steven Wilson

Affiliation: Stanford University

Project Summary:

The Hopkins Marine Station is conducting a short-term field project in the fall of 2010 to study movements of basking sharks by tagging sharks, and ultimately discharging, 5 pop-up archival tags.

Location Description - Permitted:

The permitted activity is allowed throughout the MBNMS.

Latest Event:

08/10/2011 Permit issued

MBNMS-2011-024

Effective Date: 08/05/2011      Expiration Date:08/07/2011

Project Title: Faber Ash Scattering

Applicant Name: Mr. Michael Watson

Affiliation: Oceanic West, Inc.

Project Summary:

Oceanic West ([www.oceanicwest.com](http://www.oceanicwest.com)) provides conventional and fireworks ash scatterings at sea and is licensed with the State of California as a Cremated Remains Disposer (#822).

This ash scattering will be with fireworks that will be launched from a boat about 500 yards off the Seabright Beach at Santa Cruz, CA. The fireworks will be provided by Pyro Spectaculars, a licensed pyrotechnic company. The intended date and time is about 9:00pm the evening of August 5, 2011 and the backup date in the event of heavy fog is August 6, 2011.

Location Description

About N 36 degrees 57 minutes 30 seconds, W 122 degrees 0 minutes 30 seconds

Latest Event:

07/28/2011 Approval granted by other agency

MBNMS-2011-023

Effective Date tbd :Expiration Date:

Project Title:OMEGA Monterey Bay Biofouling Experiment

Applicant Name:Dr. Jeffrey Paduan

Affiliation:Naval Postgraduate School

Project Summary:

tbd

Location Description:

Three miles southeast of Capitola, in 30 meters water depth

Coordinates:

36°55'34.79"N

121°56'36.38"W

Latest Event:

07/29/2011 Additional information requested

MBNMS-2011-022

Effective Date:08/01/2011 Expiration Date:08/01/2016

Project Title: LiMPETS (Long-term Environmental Monitoring Program and Experiential Training for Students)

Applicant Name:Ms. Ann Wasser

Affiliation:Pacific Grove Museum of Natural History

Project Summary:

LiMPETS (Long-term Monitoring Program and Experiential Training for Students) is an environmental monitoring and education program for students, educators, and volunteer groups. This hands-on program was developed in 2001 to monitor the ocean and coastal ecosystems of California's National Marine Sanctuaries to increase awareness and stewardship of these important areas.

Two distinct monitoring programs make up the core of the LiMPETS network: the Rocky Intertidal Monitoring Program and the Sandy Beach Monitoring Program. Both programs are designed to provide students with the opportunity to experience the scientific process firsthand. Through research-based monitoring and standardized protocols, students develop their problem solving skills, gain experience using tools and methods employed by field scientists, and learn to analyze data. The LiMPETS network provides authentic, hands-on coastal monitoring experiences that empower teachers, students and the community.

Description

Emerita analoga Monitoring

Natural Bridges State Park, Seabright Beach, Sunset State Beach, Salinas River Beach - North, Salinas River Beach - South, Marina State Beach, San Carlos State Beach, Tioga Avenue Beach, Seaside State Beach, Tide Avenue, Del Monte Beach, Asilomar Main Beach Rocky Intertidal Davenport Landing, Wilder Ranch, Natural Bridges, Almar Avenue, Rockview Drive, 33rd Avenue, Opal Cliffs, Point Pinos, Carmel Point, San Simeon

Latest Event:

07/29/2011 Permit issued

MBNMS-2011-020

Effective Date: 07/01/2011 Expiration Date: 10/31/2012

Project Title: CIRPAS Boundary Layer Research

Applicant Name: Mr. Marko Jaakkola

Affiliation: ZIVKO Aeronautics/CIRPAS

Project Summary:

An atmospheric-oceanographic experiment in July, August, and October 2011 and 2012 in which the CIRPAS Twin Otter research aircraft will conduct low overflights. The objectives are to acquire detailed mapping of sea properties, and obtain meteorological flux measurements in the boundary layer.

To fly along a series of transects at an altitude of 100 and 500 feet ASL one mile from the coast within the MBNMS overflight restriction zones.

Location Description:

throughout MBNMS

Latest Event:

06/30/2011 Permit signed copy received

MBNMS-2011-019

Effective Date:07/03/2011 Expiration Date:07/05/2011

Project Title:Annual July 4 Fireworks event at Shamel Park

Applicant Name:Mr. Ron Waltman

Affiliation:American Legion Cambria Post 432

Project Summary:

Fireworks are planned to be displayed at the Shamel Park in Cambria on the beach.

The site has been used annually for a small Independence Day fireworks display on July 4, which lasts approximately 20 minutes. The launch site is on a sandy beach at Shamel County Park, and the aerial shells are aimed to the west. Immediately north of the launch site is the mouth of Santa Rosa Creek and Lagoon. The marine venue is preferred for optimal public access and to avoid the fire hazard associated with terrestrial display sites. The fireworks display occurs at the height of the dry season in central California, when area vegetation is particularly prone to ignition from sparks or embers.

Location Description

Shamel Park in Cambria

Latest Event:

06/27/2011 Authorization issued

MBNMS-2011-018

Effective Date:07/02/2011 Expiration Date:07/02/2011

Project Title:A Private Fireworks Display in Aptos on July 2nd.

Applicant Name:Ms. Renee Rust

Affiliation:Fireworks & Stage FX America, Inc.

Project Summary:

Event World would like to have a theatrical display of pyrotechnics on July 2nd, 2011, located near 773 Las Olas, Aptos, Ca. 95003. Please see included diagram for exact location. Said display would consist of effects, similar to those used in indoor theatres and concerts. Contrary to fireworks, theatrical pyrotechnics do not have "fall out zones", debris, or loud booming noises. The noise they produce is a crackle sound, less than what a standard firecracker would produce. They are "self consuming" devices, meaning that they do not explode, creating debris. This display would be conducted under licensed technician Kevin Crews (license #1040-10). Kevin has been conducting theatrical displays for over twenty years.

Location Description - Permitted:

Latest Event:

06/21/2011 Permit not required

MBNMS-2011-016 - Active

Effective Date:07/01/2011 Expiration Date:12/31/2016

Project Title:Long-term Photoquadrats, Hopkins Marine Life Observatory

Applicant Name:Dr. James Watanabe

Affiliation:Hopkins Marine Station of Stanford University

Project Summary:

Permanent markers to identify repeatable photoquadrat locations will be installed in granite rock faces of rocky subtidal and intertidal habitats adjacent to Hopkins Marine Station to monitor changes in natural benthic assemblages.

Location Description:

Rocky subtidal and intertidal habitats adjacent to Hopkins Marine Station (within Lovers Point State Marine Reserve)

Coordinates:

36°37'24", 121°54'17";

36°37'21", 121°54'08";

36°37'16", 121°54'05.5"

Latest Event:  
07/01/2011 Permit signed copy received

MBNMS-2011-015 -

Effective Date:06/01/2011 Expiration Date:10/31/2012

Project Title:Front Dynamics and Mixing on the Northern Monterey Bay Inner Shelf

Applicant Name:Dr. Clifton Woodson

Affiliation:Stanford University

Project Summary:

This research includes the installation, maintenance, and recovery of four mooring arrays (ADCP, wave gauge, CTD, thermistor) in the vicinity of Sandhill Bluff (Davenport) to determine front dynamics and mixing.

Location Description - Permitted:

Nearshore area in the vicinity of Sandhill Bluff (Davenport)

Latest Event:  
05/27/2011 Permit signed copy received

MBNMS-2011-014 -

Effective Date:05/02/2011 Expiration Date:05/02/2031

Project Title:Authorization of CA Coastal Commission CDP 3-09-025, for Beach Club Seawall

Applicant Name:Mr. Charles Lester

Affiliation:CCC - Pebble Beach Seawall

Project Summary:

This project would involve Removal of an existing 340-foot long partially grouted rip-rap armor structure and construct a new 480-foot long shoreline protection structure, consisting of both a stone-faced retaining wall with a recurve.

The removal of the existing rip rap and concrete rubble and construction of the keyways will occur during very low tide conditions. The majority of this project will occur above MHW and therefore outside the boundary of the MBNMS. Activities that will occur within the MBNMS include the operation of heavy equipment on the beach and the retrieval and removal of rip-rap that has migrated below MHW.

Location Description - Permitted:

Seaward of the Pebble Beach Beach Club at the southern end of Cypress Drive (between hole 17 of the Pebble Beach Golf Links and the Stillwater Cove Pier) fronting Stillwater Cove in the Pebble Beach area of the Del Monte Forest in unincorporated Monterey County (APN 008-411-020).

Latest Event:

05/12/2011 Authorization issued

MBNMS-2011-013

Effective Date:      Expiration Date:

Project Title: Authorization of CCC Emergency CDP for Alder Creek Landslide, postmile 7.75

Applicant Name: Mr. Steve Price

Affiliation: California Department of Transportation    Caltrans

Project Summary:

A Landslide at Alder Creek along the Big Sur Coast has over-topped the Highway and closed the roadway in both directions. The toe of the slide slid downslope and seaward of highway one, and came to rest upon the beach. As of 04/22/11 the toe of the slide is being eroded into the National Marine Sanctuary from wave action.

Location Description:

Discharge of material seaward of highway one postmile 7.75 at Alder Creek

Latest Event:

04/26/2011      Approval granted by other agency

MBNMS-2011-011

Effective Date: 06/01/2011      Expiration Date: 06/15/2011



Project Title:City of Santa Cruz Marine Rescue Drill

Applicant Name:Mr. Jason Hajduk

Affiliation:Santa Cruz City Fire Department

Project Summary:

The Santa Cruz Fire Department will be hosting a regional drill for Marine rescue agencies in June. The proposed drill will simulate a vehicle driving off the Santa Cruz Wharf with two occupants inside. The drill will exercise the response capabilities of the various agencies that are within Santa Cruz County that provide emergency response to aquatic emergencies. These agencies are Santa Cruz Fire Department, Central Fire Protection District, UCSC Fire Department, Aptos/La Selva Fire Protection District, State Parks, Santa Cruz Harbor Port Authority, and Santa Cruz City Police.

Location Description - Permitted:

Adjacent to Santa Cruz Wharf approximately 100' from shore in 10' of water on the East side of the Wharf.

Latest Event:

04/25/2011 Permit issued

MBNMS-2011-010

Effective Date tbd :Expiration Date:

Project Title:System and Methods for Cultivating, Harvesting, and Processing Biomass to Produce Renewable Hydrocarbon Fuels on a Global Scale

Applicant Name:Dr. Dennis Yancey

Affiliation:Coastal Water Biotechnology Group LLC

Project Summary:

tbd

Latest Event:

03/04/2011 Additional information received

MBNMS-2011-009

Effective Date:10/07/2011Expiration Date:10/08/2011

Project Title:Monte Foundation Annual Fireworks

Applicant Name:Mr. Marcus Monte

Affiliation:Rudolph F. Monte Foundation

Project Summary:

This event is scheduled to take place in October at Seacliff State Beach.

This authorization is limited to discharges and incidental harassment of marine life within the MBNMS by the launching of commercial within the Sanctuary in October of each year that this authorization is valid.

The Aptos site has been used annually for a large fundraiser for Aptos area schools in October. The launch site is on the Aptos Pier and part of a grounded cement barge at Seacliff State Beach. The aerial shells are aimed above and to the south of the pier.

Latest Event:

03/07/2011 Application received

MBNMS-2011-008

Effective Date:07/30/2011 Expiration Date:08/01/2011

Project Title:The Feast of Lanterns Annual Fireworks Celebration in Pacific Grove

Applicant Name:Ms. Sue Renz

Affiliation:Pacific Grove Feast of Lanterns

Project Summary:

Fireworks will be fired from the recreational trail at the foot of Fountain Avenue at approximately 9:15 pm. PyroSpectaculars is the vendor, and will be detonating approximately 567 pyrotechnic shells.

Location Description:

Fireworks will be fired from the recreational trail at the foot of Fountain Avenue

Latest Event:

07/12/2011 Authorization issued

MBNMS-2011-007

Effective Date: 05/19/2011 Expiration Date: 05/13/2016

Project Title: The operation of tractors in the surf zone near the Capitola Pier.

Applicant Name: Mr. Ed Morrison

Affiliation: City of Capitola

Project Summary:

Renewal of the City of Capitola's five-year permit to continue implementation of the Soquel Creek Lagoon Management & Enhancement Plan.

This project continues implementation of the Soquel Creek Lagoon and Enhancement Plan and continues to be premised on protecting marine/creek resources while simultaneously enhancing beach access during the summer months at Capitola Beach.

Under the California Coastal Commission Coastal Development Permit, management activities include riparian habitat restoration and protection along Soquel Creek, sandbar construction resulting in lagoon formation in May of each year, management of the lagoon for fish and other animals, maintenance of fish passage (salmonids) through the existing flume, actions to protect salmonids and prevent flooding during emergency sandbar breaching, sediment reduction, reduction of summer water temperatures to benefit salmonids, and reduction of nonpoint source pollution into the creek.

Location Description:

Soquel Creek vicinity, Capitola, Santa Cruz County

Latest Event:

05/25/2011 Authorization issued

MBNMS-2011-006

Effective Date: 04/01/2011 Expiration Date: 12/31/2011

Project Title: Validation of contaminant foodweb bioaccumulation in Moss Landing, CA.

Applicant Name: Mr. Karl Gustavson

Affiliation:U.S. Army Corps of Engineers

Project Summary:

Background: The USACE San Francisco District shares responsibility for dredging portions of MLH and for permitting aquatic disposal of dredged material from the harbor. Previous applications of standard sediment testing protocols to evaluate dredged material have proven inconclusive for some sediment from MLH, primarily the southern portion of the harbor. This led to the need for further assessment of potential risks associated with bioaccumulation of contaminants in dredged material slated for open water disposal. In 2006, the USACE Engineer Research and Development Center conducted a risk assessment of the open water disposal of materials at MLH. The results of this risk assessment, based on existing data on contaminant concentrations in MLH dredged material, indicated that predicted hazards and risks from contaminant bioaccumulation to either humans or ecological receptors were unlikely except for exposure to several avian receptors in MLH itself.

Location Description:

SF-12/SF-14 Sediment Sampling. Sediment sampling will occur at SF-12 and SF-14. SF-12 will be sampled in a grid pattern with approximately 20 samples. Due to its depth, fewer (n=5) will be taken at SF-14.

Sediment sampling will be completed using a 0.1m<sup>2</sup> modified Van Veen grab. Approximately 1 liter of sediment will be collected at each of 20 locations for the purposes of chemical analysis.

Latest Event:

06/22/2011 Application denied by other agency

MBNMS-2011-004

Effective Date: tbd Expiration Date:

Project Title:California Coastal Commission Coastal Development Permit (CDP) 3-10-040, for Monterey Harbor Dredging and disposal

USACE PN 2009-00221S

Applicant Name:Mrs. Charles Lester

Affiliation:CA Coastal Commission

Project Summary:

Dredge up to 10,000 cubic yards of sediment annually for ten years at the Monterey Harbor/Marina (between Municipal Wharf's I and II), and deposit/dispose of dredge sediments through beach nourishment at two Del Monte Beach receiver sites just upcoast of Wharf II.

The City of Monterey Harbor Department proposes to dredge and use for beach nourishment up to 10,000 cubic yards of sediment annually for ten years at the Monterey Harbor and Marina in the City of Monterey, Monterey County. The Harbor Department would dredge in two general locations to a depth of -12 feet below mean lower low water, including in the area surrounding the 450 slip Marina and the Coast Guard Pier/Breakwater area, and would dispose of the dredged sediments at two sandy beach areas along Del Monte Beach just upcoast of Municipal Wharf Number 2 in order to nourish the beaches there. The Harbor Department indicates that sand shoaling has limited the use of harbor facilities,

Latest Event:

MBNMS-2011-002

Effective Date:01/01/2012

Expiration Date:12/31/2013

Project Title:Creation of a shallow water Free Ocean CO<sub>2</sub> Enrichment (FOCE) system for investigation of ocean acidification impacts off coastal

Applicant Name:Dr. Peter Brewer

Affiliation:Monterey Bay Aquarium Research Institute

Project Summary:

tbd

Location Description - Permitted:

Within 400 m of the shore line immediately to the north of the Hopkins Marine Station (within Lovers Point State Marine Reserve)

Latest Event:

07/06/2011 Additional information requested